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- [1] S. Lang, *Algebra*, 2nd edition.
 - [2] M. Tinkham, *Group Theory and Quantum Mechanics*, (McGraw-Hill, New York, 1964).
 - [3] G. Scheja and U. Storch, *Lehrbuch der Algebra*, (Teubner, Stuttgart, 1980), Vol. 1. Yes, this book is in German. I apologize, but I got used to it as a freshman, so I felt it was worth mentioning.
 - [4] K. Jänich, *Topology*, (Springer, New York, 1984).
 - [5] T. Bröcker, *Topologie*, (unpublished).
 - [6] D. L. Stancl and M. L. Stancl, *Real Analysis with Point-Set Topology*, (Marcel Dekker, New York, 1987).
 - [7] A. V. Arkhangel'skii and L. S. Pontryagin, *General Topology I*, (Springer, Berlin, 1990).
 - [8] D. B. Fuks and V. A. Rokhlin, *Beginner's Course in Topology*, (Springer, Berlin, 1984).
 - [9] W. S. Massey, *Algebraic Topology: An Introduction*, (Springer, New York, 1977).
 - [10] T. Bröcker and T. tom Dieck, *Representations of Compact Lie Groups*, (Springer, New York, 1985).
 - [11] M. Nakahara, *Geometry, Topology, and Physics*, (Adam Hilger, Philadelphia, 1990).
 - [12] H. Goldstein, *Classical Mechanics*, (Addison-Wesley, Reading).
 - [13] R. J. Finkelstein, *Nonrelativistic Mechanics*, (Benjamin, Reading, 1973).
 - [14] L. D. Landau and E. M. Lifshitz, *Theoretical Physics*, Vol. 1, *Mechanics*, Ch. 2, *Conservation Laws*.
 - [15] L. D. Landau and E. M. Lifshitz, *Theoretical Physics*, Vol. 2, *Classical Field Theory*, Ch. 2, *Relativistic Mechanics*.
 - [16] M. Senechal, *Crystalline Symmetries*, (Hilger, Bristol, 1990).
 - [17] S. J. Joshua, *Symmetry Principles and magnetic symmetry in solid state physics*, (Hilger, 1991, Bristol).
 - [18] G. Karpilowsky, *Projective Representations of Finite Groups*, (Dekker, New York, 1985).
 - [19] P. N. Hoffman, *Projective representations of the symmetric groups: Q-functions and shifted tableaux*, (Clarendon, Oxford, 1992).
 - [20] F. R. Beyl and J. Tappe, Group Extensions, Representations, and the Schur Multiplicator, (Springer, New York, 1982).
 - [21] G. F. Koster, J. O. Dimmock, R. G. Wheeler, and H. Statz, *Properties of the thirty-two point groups*, (MIT Press, Cambridge, 1963).
 - [22] R. J. Elliot, *Spin-orbit coupling in band theory – Character tables for some double space groups*, Phys. Rev. **96**, 280-287 (1954). *Theory of the effect of spin-orbit coupling on magnetic resonance in some semiconductors*, Phys. Rev. **96**, 266 (1954).
 - [23] C. S. Nichols, Structure and Bonding in Condensed Matter, (Cambridge University Press, 1994).
 - [24] H. Bethe, *Termaufspaltung in Kristallen*, Ann. Phys. (Leipzig) **3**, 133 (1929).
 - [25] G. F. Koster, *Space Groups and their Representations*, in *Solid State Physics*, edited by F. Seitz and D. Turnbull, Vol. 5, p. 173 (Academic, New York, 1957).
 - [26] H. W. Streitwolf, *Group Theory in Solid-State Physics*.
 - [27] F. Bassani, *Electronic States and Optical Transitions in Solids*.
 - [28] S. Bhagavantam, *Theory of Groups and its Application to Physical Problems*.
 - [29] G. Burns, *Introduction to Group Theory with Applications*.
 - [30] R. S. Knox, *Symmetry in the Solid State*.
 - [31] G. F. Koster, *Properties of the thirty-two point groups*.

- [32] O. Madelung, *Introduction to solid-state theory*.
- [33] C. Herring, *Character Tables for Two Space Groups*.
- [34] L. P. Bouckaert, R. Smoluchowski, and E. Wigner, *Theory of Brillouin Zones and Symmetry Properties of Wave Functions in Crystals*, Phys. Rev. **50**, 58 (1936).
- [35] R. Liu, C. Thomsen, W. Kress, M. Cardona, B. Gegenheimer, F. W. de Wette, J. Prade, A. D. Kulkarni, and U. Schröder, *Frequencies, eigenvectors, and single-crystal selection rules of $k=0$ phonons in $YBa_2Cu_3O_{7-\delta}$: Theory and experiment*, Phys. Rev. B **37**, 7971 (1988).
- [36] F. Bassani and M. Yoshimine, *Electronic band structure of group IV elements and of III-V compounds*, Phys. Rev. **130**, 20 (1963).
- [37] W. Opewchowski, *Crystal “Double” Groups*.